

PATENT  
Docket No. 43521-0700

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Hidema Tanaka et al.

Serial No.: 10/622,722

Filed: July 18, 2003

For: CIPHER STRENGTH ESTIMATING  
DEVICE

Examiner: TBD

Group Art Unit: TBD

April 14, 2004

Irvine, California 92614

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In an attempt to fully comply with the duty of disclosure set forth in 37 C.F.R. § 1.56 and in conformance with 37 C.F.R. §§ 1.97 (b)(3) and 1.98, applicant wishes to bring to the attention of the U.S. Patent Office the following references:

L. Knudsen, "Truncated and Higher Order Differentials," *Fast Software Encryption: 2<sup>nd</sup> International Workshop*, Leuven, Belgium (December 14-16, 1994), LNCS 1008, pp. 196-211, Springer-Verlag.

X. Lai, "Higher Order Derivatives and Differential Cryptanalysis," R<sup>3</sup> Security Engineering AG Ch-8607 Aathal, Switzerland, pp. 1-7; Reprint of pp. 227-233, "Communications and Cryptography," (Ed. R Blahut et al.), Kluwer Academic Publishers (1994).

M. Matsui, "New Structure of Block Ciphers with Provable Security against Differential and Linear Cryptanalysis," *Fast Software Encryption: 3<sup>rd</sup> International Workshop*, Cambridge, UK (February 21-23, 1996), LNCS. 1039, pp. 205-218.

S. Moriai, T. Shimoyama, T. Kaneko, "Higher Order Differential Attack of a CAST Cipher," *Fast Software Encryption: 4<sup>th</sup> International Workshop*, LNCS 1372, pp. 17-31.

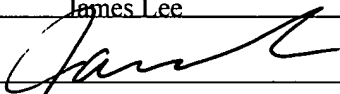
A copy of these references and form PTO-A820 are attached.

If the Examiner believes that a telephone conference would help further the prosecution of this case, he is respectfully requested to contact the undersigned attorney at the listed telephone number.

The Director is authorized to charge Deposit Account No. 19-2814 any filing fees which may be required.

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on April 14, 2004, 2004.


By: James Lee

  
Signature

Dated: April 14, 2004

Very truly yours,

**SNELL & WILMER L.L.P.**

  
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